

MODULAR TDX PANEL PROTECTOR, 100 KA, 240 VAC UN, 3PHΔ 3W+G DISTRIBUTION SYSTEM

CATALOG NUMBER

TDX100M240D



CERTIFICATIONS



FEATURES

Transient Discriminating (TD) Technology provides increased service life

Modular design allows easy replacement of surge modules

Built-in features include TD Technology, thermal protection and short circuit current fusing

Compact NEMA®-4 enclosure design can be flush mounted or installed in a small space

Status indication flag per mode, voltage presence LEDs, audible alarm and voltage-free contacts providing remote status monitoring

100 kA 8/20 μ s maximum surge rating provides protection suitable for main-distribution panels and an extended operational life

PRODUCT ATTRIBUTES

Service Configuration: Delta

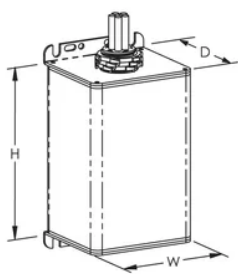
Nominal System Voltage (Un): 240 VAC

Distribution System: 3PhΔ 3W+G

Max Continuous Operating Voltage (Uc): 276 VAC

Stand-off Voltage: 415 VAC
Frequency: 50 - 60 Hz
Protection Modes: L-N;L-PE;N-PE
Short Circuit Current Rating (SCCR): 200kA
Nominal Discharge Current (In), IEC: 40kA 8/20 μs
Nominal Discharge Current (In), UL: 20kA 8/20 μs
Max Discharge Current (Imax), Per Phase: 100kA 8/20 μs
Impulse Current (Iimp), Per Mode: 12.5kA 10/350 μs
Voltage Protection Rating (VPR), L-L: 1000 V @ 3 kA;1800 V @ 20 kA
Status Indication: LED;Mechanical flag;Audible alarm
Surge Counter: No
Technology: TD technology with thermal disconnect;Over-current replaceable cartridge fusing
Remote Contacts: Yes
Lead Size imperial: #10
Ground Lead Length: 36"
Temperature: -40 to 176 °F
Enclosure Material: Metal
Enclosure Rating: IP 65;NEMA®-4
Mounting: 3/4" straight nipple
Depth (D): 3.07
Height (H): 9.45"
Width (W): 3.31"
Unit Weight: 3.1 lb
Certification Details: UL® 1449 Edition 5 Type 1/2, 20 kA Mode
Complies With: ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C;ANSI®/IEEE® C62.41.2-2002 Scenario II, Exposure 3, 100 kA 8/20 μs, 10 kA 10/350 μs;IEC® 61643-1 Class I, Class II
Replacement Module: TDS150M240

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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